

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

CHUSKA ENERGY COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 2118, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any applicable Federal or State regulations)

At surface

1920' FSL & 2140' FEL

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4691' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.50	80	
12 1/4	8 5/8	24.0	1600	See Attached
7 7/8	5 1/2	15.50	5600	

SEE ATTACHED

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/13/85

BY: John R. Bayan

WELL SPACING: 6-3(3)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

John Alexander  
JOHN ALEXANDER

TITLE Vice-President

DATE 10/30/85

(This space for Federal or State office use)

PERMIT NO.

43-037-31217

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COMPANY CHUSKA ENERGY COMPANY

3323-24

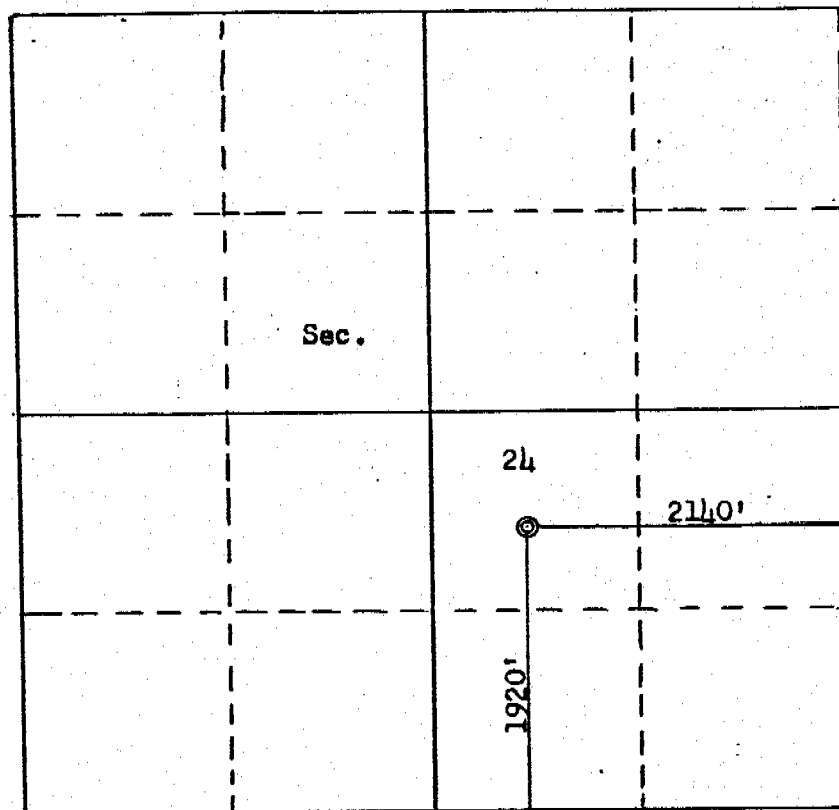
LEASE NAVAJO TRIBAL "A" WELL NO. 33-24

SEC. 24 T. 41S R. 23E

County: San Juan State: Utah

LOCATION 1920' FSL 2140' FEL

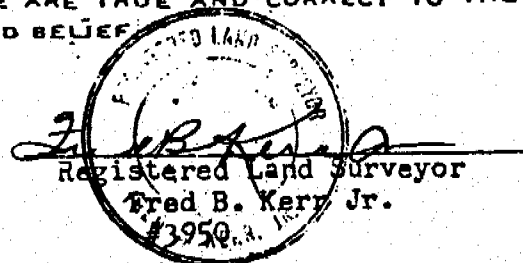
ELEVATION 4691 ungraded ground



SCALE—1 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF

SEAL:



SURVEYED September 23 1985

FORMATION INFORMATION AND  
DRILLING PRACTICES

CHUSKA ENERGY COMPANY  
Navajo Tribal A No. 3323-24  
1920' FSL & 2140' FEL  
Section 24, T41S, R23E  
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1290'
DeChelly	2410'
Organ Rock	2635'
Hermosa	4345'
Upper Ismay	5208'
Lower Ismay	5374'
Desert Creek	5430'
T.D.	5600'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil	5430'
-----	-------

4. Proposed Casing Program:

0-80'	13 3/8", 54.4 lb./ft., ST & C J-55 new casing; cement with 120 cu. ft. Class "B" + 2% CaCl <sub>2</sub> + 1/4 lb. celophane flakes per sack.
0-1600'	8 5/8", 24 lb./ft., ST & C K-55 new casing; cement with 800 cu. ft. 65-35 poz mix + 2% CaCl <sub>2</sub> . Cement will be brought to surface.
0-5600' T.D.	5 1/2", 15.5 lb./ft., ST & C K-55 new casing; cement with 450 cu. ft. 50-50 poz mix + 2% CaCl <sub>2</sub> + 10% salt + 0.8% fluid loss additive. Cement top at 4000'. Second stage tool at 3000'. Cement with 750 cu. ft. Class "B" with 4% gel. Cement to surface.

5. Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

DEPTH	TYPE	VIS.	WEIGHT	FLUID USAGE
0-1600'	Gel-lime	35-45	9.0	Not controlled
1600-4000'	Gel-chem	35-45	9.5	15cc
4000-5600'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

- Bit float
- Stabbing valve to be used in drill pipe when kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole: IES, CNL, FDC  
Mud: 4000' to T.D.

Testing: Possible in Lower Ismay and Desert Creek.

Coring: None planned.

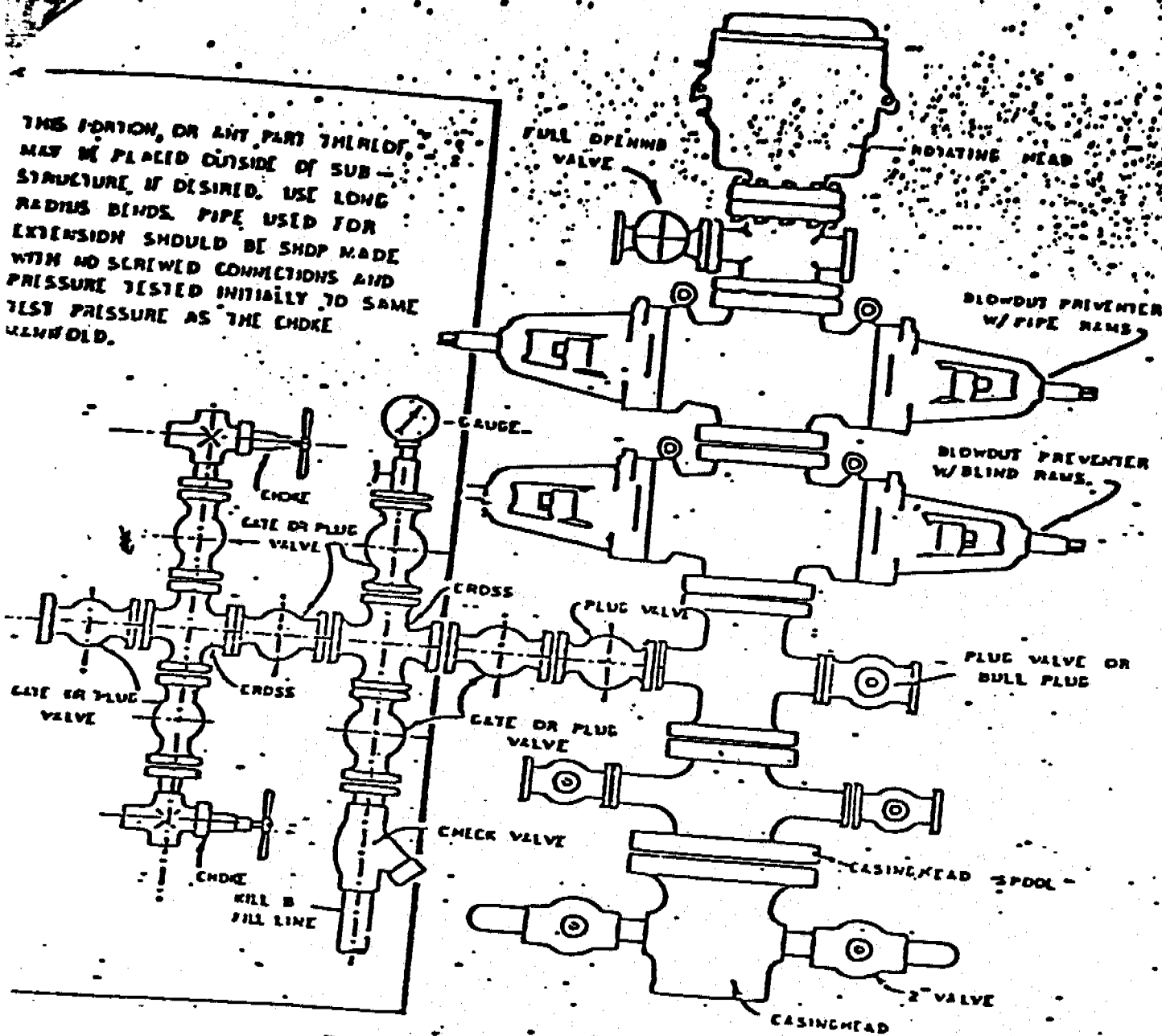
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected.

10. Starting Date:

Anticipated starting date is December 30, 1985. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SWELED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKER UNWOUND.



BLOWOUT PREVENTER HOOKUP

**SURFACE USE PLAN**

**CHUSKA ENERGY COMPANY  
Navajo Tribal A No. 3323-24  
1920' FSL & 2140' FEL  
Section 24, T41S, R23E  
San Juan County, Utah**

1. Existing Roads (shown in green):

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join a secondary road leading to an existing county dirt road. The county and secondary road will bear normal drilling traffic and not have to be upgraded.

2. Planned Access Road (shown in red):

The new access road will run East from the existing secondary road approximately 400 feet to the well site. Maximum grade will be 10%. Water bars will be used to prevent erosion.

3. Location of Existing Wells:

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines:

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area. A 2 1/2" threaded and coupled, steel, 6000 psi test gas line will be laid in the new access road and will follow the existing road to a tie-in in NW/SE 24-41S-23E. This line will initially be laid on the surface and later buried.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 4 miles North of the location.

6. Source of Construction Materials:

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal:

All trash will be carried to a land fill or burned. All non burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities:

No ancillary facilities are planned.



10. Well Site Layout:

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.


11. Plans for Restoration of Surface:

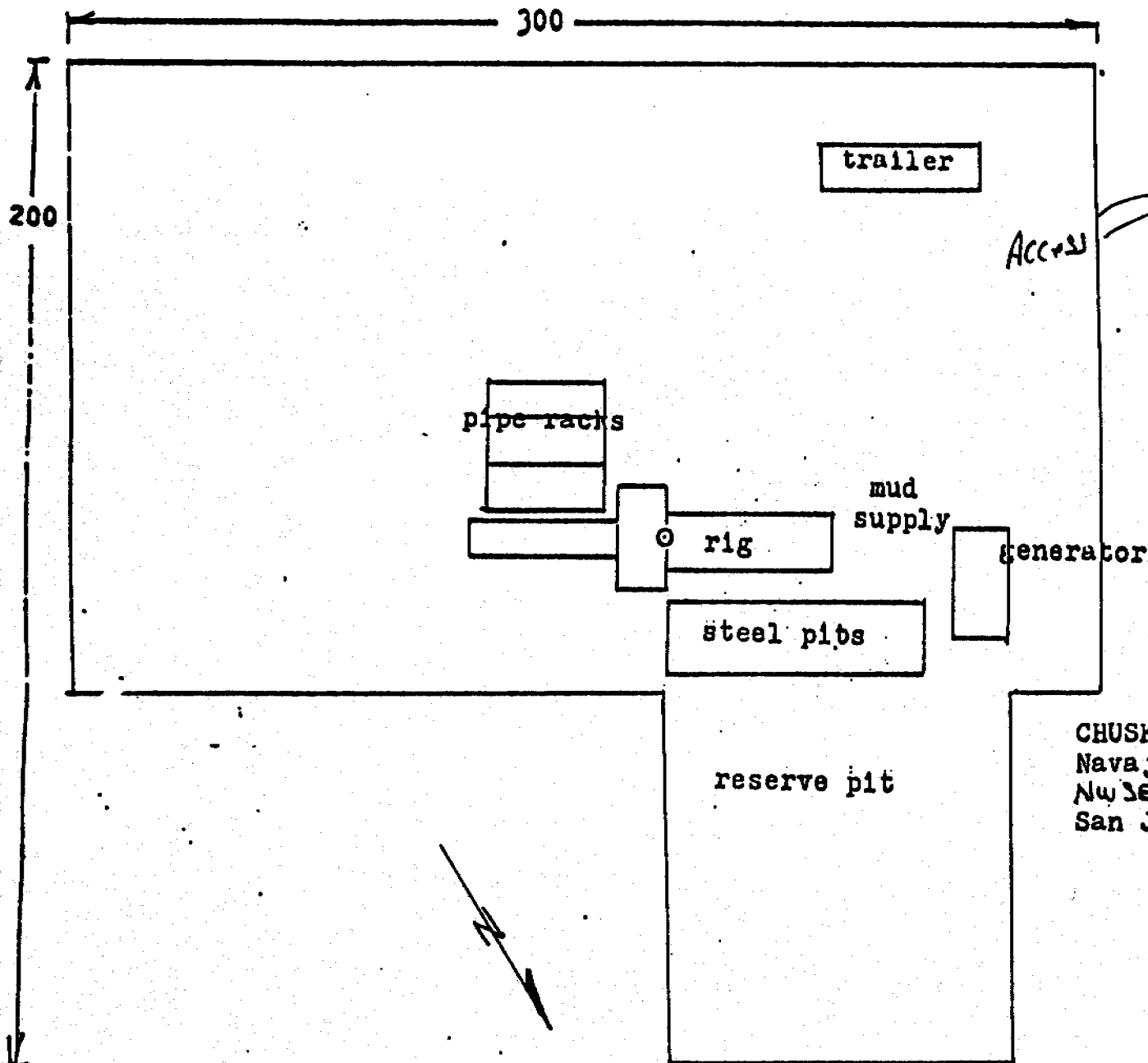
Restoration of the well site and access road will begin within 90 days of well completion weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all non burnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This location is approximately 4 miles South of the San Juan River. It is located on flat ground and covered with native weeds and grasses. No artifacts were found on the site. There are no residences in the area.

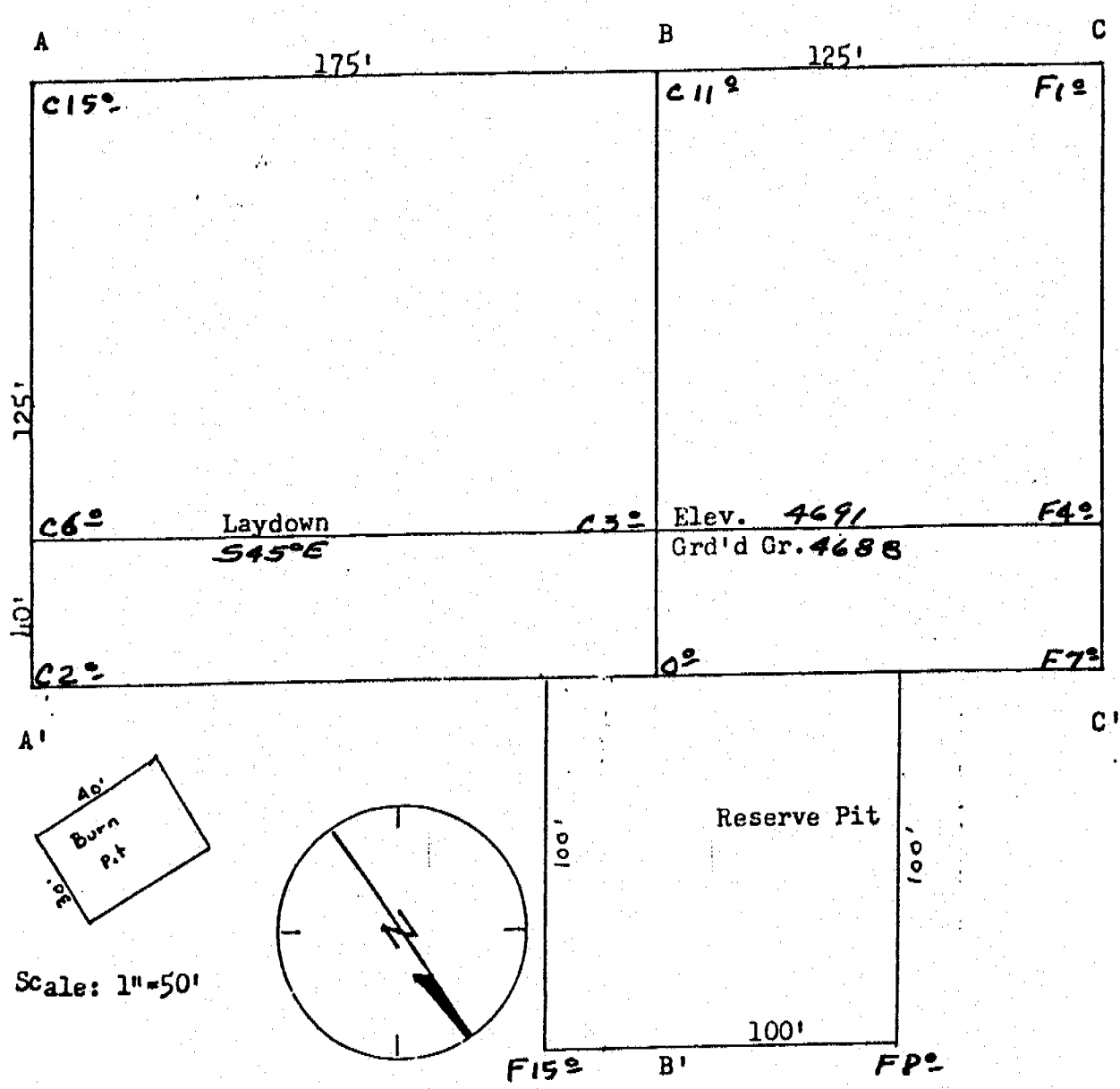
13. John Alexander  
CHUSKA ENERGY COMPANY  
P. O. Box 2118  
Farmington, New Mexico 87499  
(505) 326-5525

14. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
JOHN ALEXANDER  
October 30, 1985

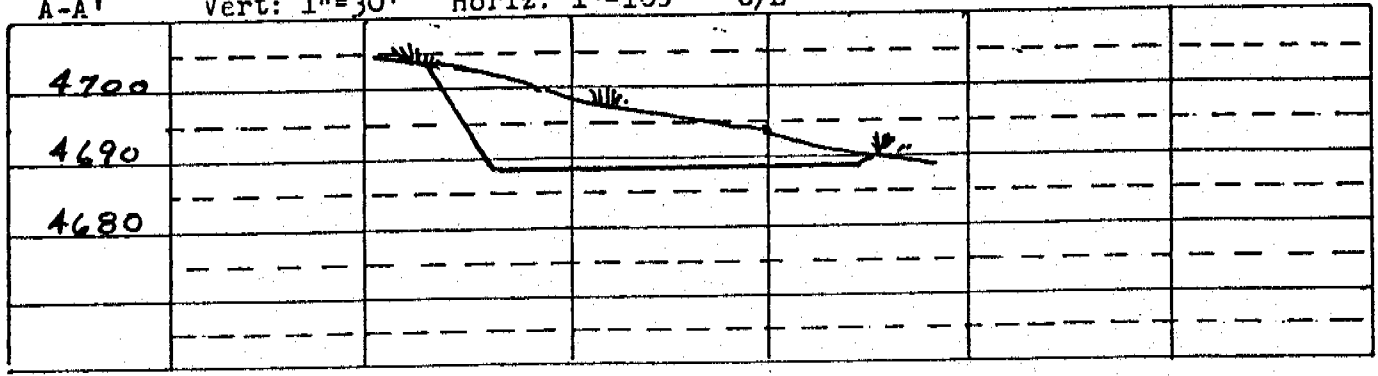


CHUSKA ENERGY CO.  
Navajo Tribal A No 3323-24  
NW 3E 24-41S-23E  
San Juan, Utah

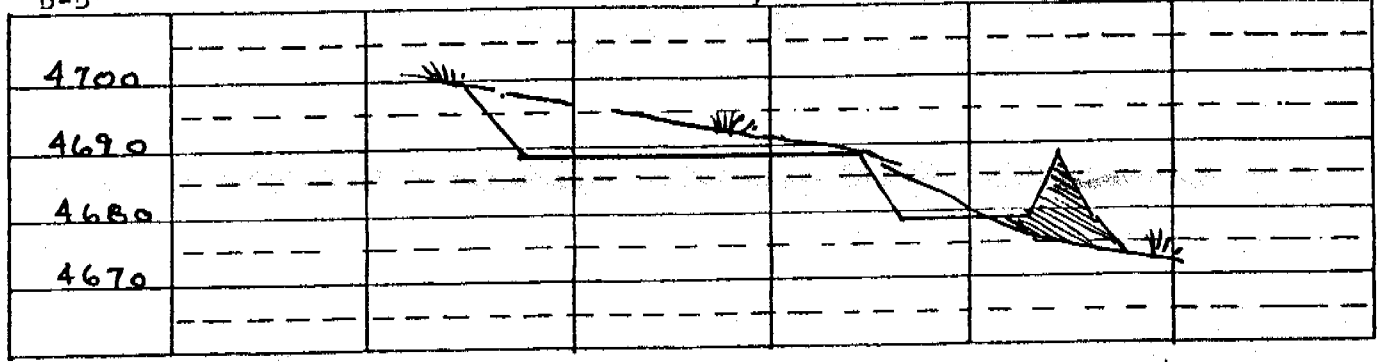


Scale: 1"=50'

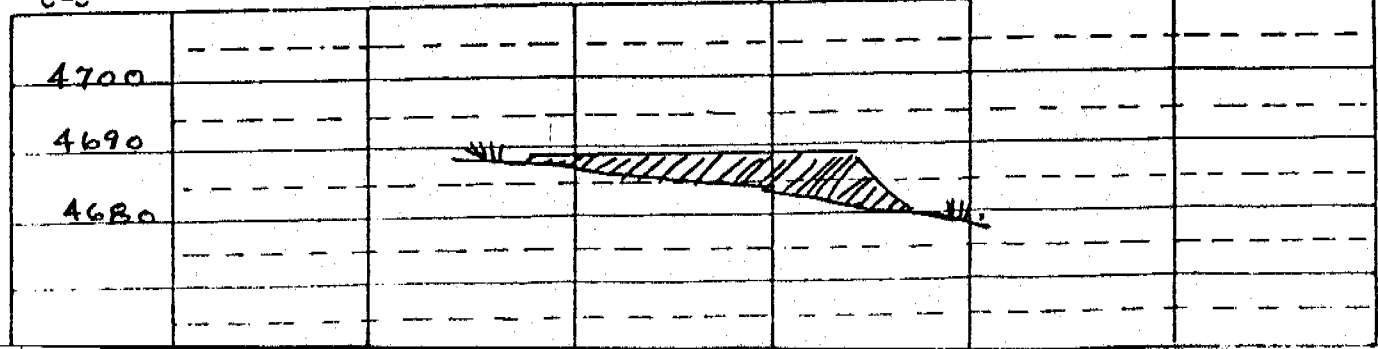
A-A' Vert: 1"=30' Horiz: 1"=100' C/L

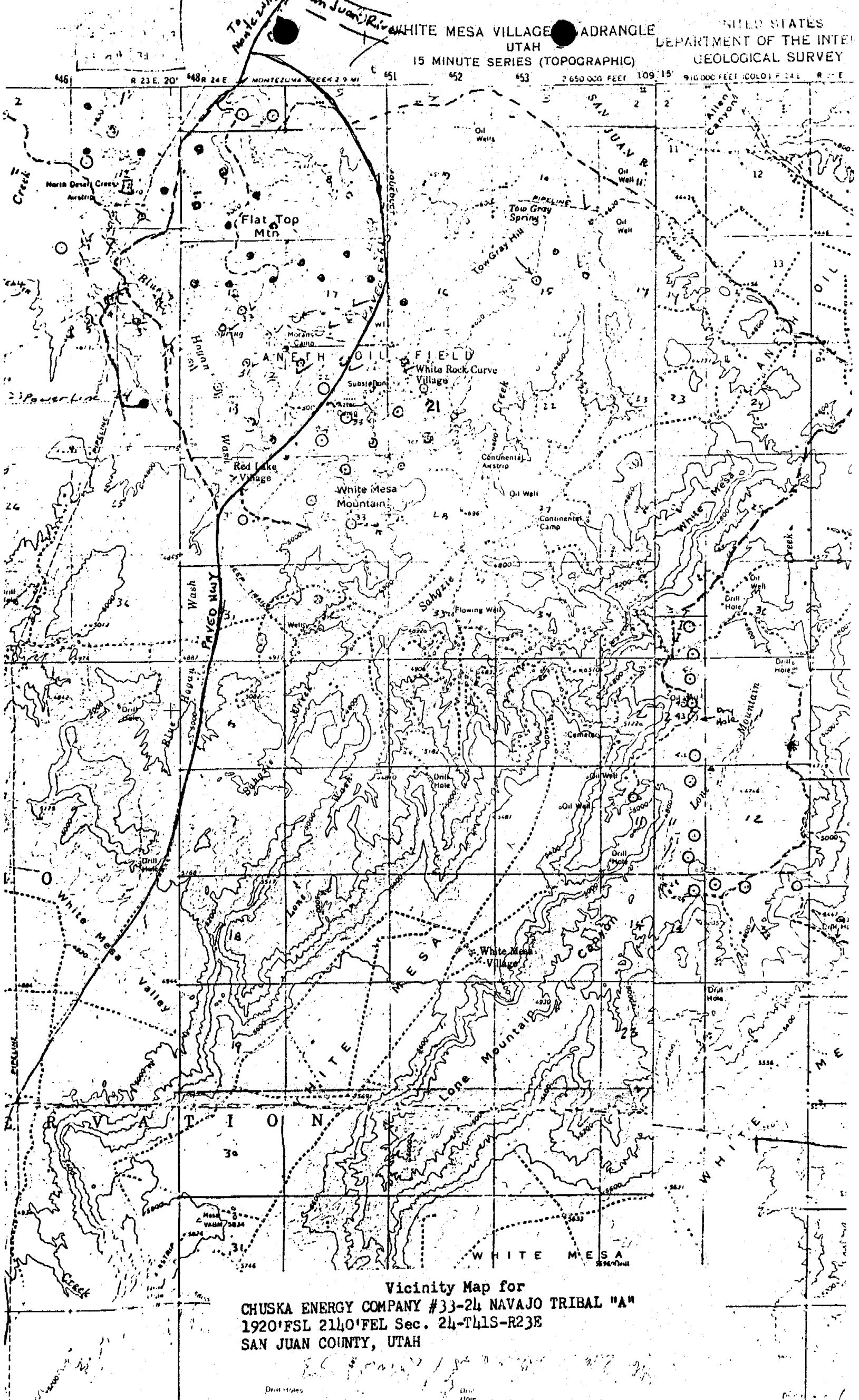


B-B' C/L



C-C' C/L





Vicinity Map for  
CHUSKA ENERGY COMPANY #33-24 NAVAJO TRIBAL "A"  
1920' FSL 2140' FEL Sec. 24-T41S-R23E  
SAN JUAN COUNTY, UTAH

OPERATOR Chuska Energy Co. DATE 11-5-85  
WELL NAME Navajo Tribal A 3323-24  
SEC NWSE 24 T 41S R 23E COUNTY San Juan

43-03731217  
API NUMBER

Indian  
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST WELL

☒

LEASE

☒

FIELD

☒

POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other well within 1000'  
Need water permit

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

C-3-a

CAUSE NO. & DATE

☒

C-3-b

☐

C-3-c

STIPULATIONS:

1- Water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 13, 1985

Chuska Energy Company  
P. O Box 2118  
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal A 3323-24 - NW SE Sec. 24, T. 41S, R. 23E  
1920' FSL, 2140' FEL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

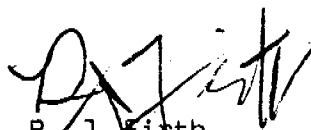
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Chuska Energy Corporation  
Well No. Navajo Tribal A 3323-24  
November 13, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31217.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
Bureau of Indian Affairs

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31217

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: Navajo Tribal A 3323-24

SECTION NW SE 24 TOWNSHIP 41S RANGE 23E COUNTY San Juan

DRILLING CONTRACTOR Aztec Drilling

RIG # 301

SPODDED: DATE 12-10-85

TIME 1:15 AM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY John Alexander

TELEPHONE # 505-326-5525

DATE 12-11-85 SIGNED SB



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL  
(Other instructions  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 8505-1087	
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P. O. Box 2118, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1920' FSL & 2140' FEL		8. FARM OR LEASE NAME Navajo Tribal A	
14. PERMIT NO.		9. WELL NO. 3323-24	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4691' GR		10. FIELD AND POOL, OR WILDCAT Aneth	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 24 - 41S - 23E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 12 1/4" hole to 1422'. Ran 8 5/8" 24 lb./ft. casing to 1415'. Cemented with 765 cu. ft. 65/35 Poz mix with 6% gel and 1/2 lb. D-29/Sk, followed by 236 cu. ft. Class "B" with 2% CaCl<sub>2</sub> and 1/2 lb. D-29/Sk. Cement circulated to the surface. Job Complete 12/13/85.

RECEIVED

DEC 20 1985

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*John Alexander*  
John Alexander

TITLE Vice-President

DATE 12/17/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT..." for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 8505-1087
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2118, Farmington, NM 87499		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 1920' FSL & 2140 FEL		8. FARM OR LEASE NAME Navajo Tribal A
14. PERMIT NO.		9. WELL NO. 3323-24
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4691' GR		10. FIELD AND POOL, OR WILDCAT Aneth
		11. SEC., T., R., M., OR BLK. AND SUBVEY OR AREA 24 - 41S - 23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input checked="" type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Drilled 7 7/8" hole to 5610' on 12-20-85. Ran 5 1/2" 15.50 lb. casing to 5610'. Cemented in two stages below a stage tool at 2580'. First stage was 308 cu. ft. Class "H" with 10 lb. Cal-Seal/Sh, 10% Salt, 0.6% Halad-9. Second stage was 255 cu. ft. 65/35 poz mix with 6% gel followed by 59 cu. ft. Class "B". Maintained full circulation through both stages. Job complete 12-22-85.

18. I hereby certify that the foregoing is true and correct

SIGNED John Alexander

TITLE Vice-President

DATE 12/26/85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 2118, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)  
At surface

1920' FSL & 2140' FEL

14. PERMIT NO.

43-037-31217

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4691' GR

5. LEASE DESIGNATION AND SERIAL NO.

NOG 8505-1087

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

NAVAJO TRIBAL "A"

9. WELL NO.

3323-24 ?

10. FIELD AND POOL, OR WILDCAT

Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

24 - 41S - 23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drill out cement retainer at 2680'. Ran cement bond log and found lower stage cement top at 4586' and upper stage at 2300'. Perforated Desert Creek zone 5512'-5516'; 5518'-5522'; 5525'-5533'. Acidized interval with 3200 gal. 28% HCL acid. Swab test zone at 30 b.o.p.d. and 90 b.w.p.d. Ran pump and rods. Job complete 1-04-86.

18. I hereby certify that the foregoing is true and correct

SIGNED

John Alexander

TITLE

Vice-President

DATE

1/10/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See larger instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESRV. ☐ Other ☐

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 2118, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1920' FSL & 2140' FEL

At top prod. interval reported below

SAME

At total depth SAME

14. PERMIT NO.

DATE ISSUED

4303731217 11-13-85

15. DATE SPUDDED

12/10/85

16. DATE T.D. REACHED

12/20/85

17. DATE COMPL. (Ready to prod.)

1/04/86

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

4710' KB

19. ELEV. CASINGHEAD

4699'

20. TOTAL DEPTH, MD & TVD

5610'

21. PLUG, BACK T.D., MD & TVD

5573'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-5610

0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5512'-5533' Desert Creek

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CNL, FDC, GR, Caliper, CBL, OCL

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.50	76	17 1/2	See attached	None
8 5/8	24.0	1415	12 1/4	See attached	None
5 1/2	15.50	5610	7 7/8	See attached	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 7/8"	5519	N/A

31. PERFORATION RECORD (Interval, size and number)

5512'-5516' 0.35" 2 shots/ft.

5518'-552' 0.35" 2 shots/ft.

5525'-5533' 0.35" 2 shots/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5512'-5533'	3200 gal. 28% HCL Acid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12/31/85	Swabbing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/3/86	8	N/A		12.5	11	37.5	900

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
N/A	N/A		30	27	90	42.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold.

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Cement

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John Alexander

TITLE

Vice-President

DATE

1/13/86

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				DeChelly Organ Rock Hermosa Upper Ismay Lower Ismay Gothic Shale Desert Creek	2468' 2663' 4388' 5240' 5365' 5394' 5412'	

38.

Chuska Energy Co.  
Navajo Tribal "A" 3323-24  
NW/SE 24- T.41S - R.23E  
San Juan Co., Utah

Attachment to Form 3160-4

CEMENT DATA

13 3/8	at 76'	148 cu. ft. Class "B", 3% $\text{CaCl}_2$ , 1/2 lb. Flocele/Sk. Cement return to surface.
8 5/8	at 1415'	765 cu. ft. 65/35 poz mix, 6% gel, 1/2 lb. D-29/Sk, followed by 236 cu. ft. Class "B", 2% $\text{CaCl}_2$ , 1/2 lb. D-29/Sk. Cement returned to surface.
5 1/2	at 5610'	Stage 1 308 cu. ft. Class "H", 10 lb. Cal-Seak/Sk, 10% salt, 0.6% Halad-9. Cement top at 4586'. Stage 2 255 cu. ft. 65/35 poz mix, 6% gel; followed by 59 cu. ft. Class "B". Stage tool at 2680'. Cement top at 2300'.



# CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

21 September, 1990

RECEIVED  
SEP 24 1990

State of Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Building, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Ref: Sundry Notice: Plug and Abandon

Navajo Tribal A 22-34  
Navajo Tribal 14-25  
Navajo Tribal A 3323-24  
Navajo Tribal A 13-4

Gentlemen

Attached for your examination and approval are the originals and two copies of the subject Sundry Notices.

Please advise if you require additional information concerning these submissions.

Sincerely,

*Larry G. Sessions*  
Larry G. Sessions  
Operations Manager

LGS/csw  
File: C:\WP51\NTP&A\SUNCOVER

encl.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug a well. Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 8505-1087	
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,920' FSL, 2,140' FEL		8. FARM OR LEASE NAME Navajo Tribal A	
At proposed prod. zone Same		9. WELL NO. 3323-24	
10. FIELD AND POOL, OR WILDCAT Aneth		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S24 T41S R23E	
14. PERMIT NO. 43-037-31217	15. ELEVATIONS (Show whether DF, RT, GR etc.) 4,710' GR	12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

APPROX. DATE WORK WILL START

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

REPAIRING WELL

☐  
☐  
☒

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)

DATE OF COMPLETION

6-26-90

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Commenced plugging operations 6-25-90 with Montezuma Well Service Rig 15. Blew down well and killed with water. Nippled up BOPE. POH tubing. Set cement retainer at 5,475'. Pumped Plug #1 (50 sx Class 'G') below retainer. Sting out of retainer and spotted 9.0 ppg mud 5,475' - 4,438'. Set Plug #2 (38 sx Class 'G') 4,438' - 4,112'. Spotted 9.0 ppg mud from 4,112' - 2,400'. Ran CBL 2,400' - 1,700': log reviewed by BLM representative (Leonard Bixler) and cement determined to be satisfactory. Pumped Plug #3 (351 sx 50:50 Pozmix cement) from 2,680' to surface. Cut off casing and installed plate and dry hole marker. Plugging operations completed 6-26-90.

\* Must be accompanied by a cement verification report.

18. I hereby certify that the foregoing is true and correct

SIGNED

Christopher S.W. Hill

TITLE Petroleum Engineer

DATE 21 September, 1990

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

See Instructions On Reverse Side